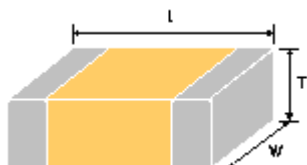


Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0402 X7R 8.2nF 16V(0402B822K160CT)

#### 1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0402 (1005)	1.00±0.05	0.50±0.05	0.50±0.05

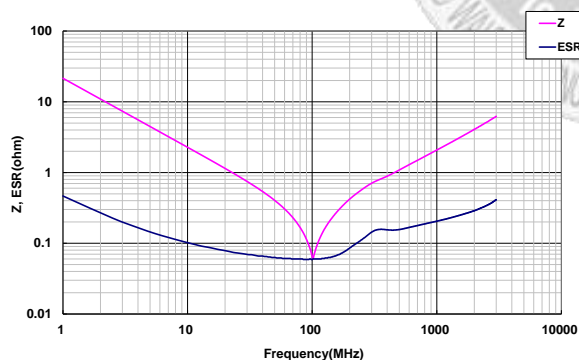
#### 2. Cap, DF, IR @ 25°C

(Cap, DF @ 1KHz, 1Vrms ; IR @ 16V, 120sec)

Item	Spec
Cap [nF]	8.2(±10%)
DF	≤ 3.5%
IR [G-ohm]	≥ 10

#### 3. Impedance/ESR-Frequency

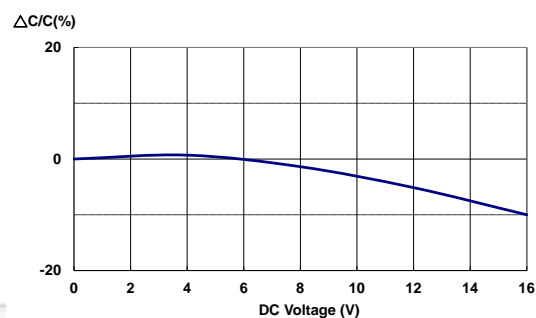
(Equipment: 4991B)



#### 5. Capacitance – DC Voltage Characteristics

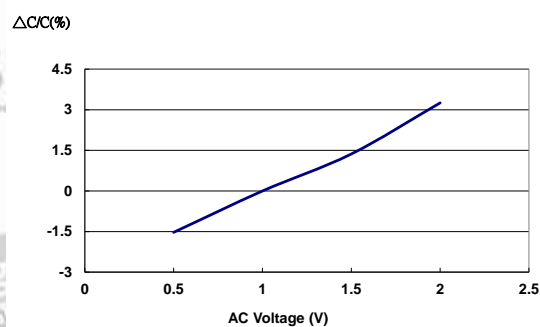
(Equipment: 4980A; DC charge 60±5sec)

8V : -1.38% ; 16V : -10%



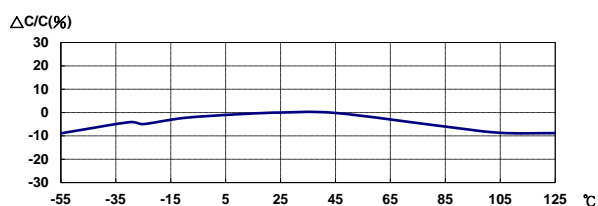
#### 6. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



#### 4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



Last updated : 2020/09/30